

SALEEN SERIES VI.5 S/C HIGH FLOW LID UPGRADE



INSTALLATION MANUAL: Mustang GT / Saleen 281 / Saleen 302

2005 to 2010 Model Year

P/N: 10-8001-C19588A



Saleen Performance Vehicles

1-800-888-8945

www.saleen.com



IF YOU ARE NOT EXPERIENCED IN THE AREA OF AUTOMOTIVE MECHANICS, WE STRONGLY URGE THAT YOU REFER THIS INSTALLATION TO A CERTIFIED INSTALLER OR TECHNICIAN.

ENSURE THE VEHICLE PARKING BRAKE IS ON AND THE TRANSMISSION IS IN PARK OR IN GEAR WHEN WORKING ON IT.



Installation Guide High Flow Supercharger Lid for Series VI & VI.5 Superchargers 2005 to 2010 Models

WELCOME!

Thank you for buying the Saleen High Flow supercharger lid for the Series VI and VI.5 Supercharger kits. This lid is compatible with all model years the Series VI & VI.5 kits were available. The High Flow lid is also compatible with the Saleen cold air kit.

The Saleen High Flow lid is designed in such a way that it eliminates obstructions in the intake track that plagued the previous lid design. The following design improvements were made...

- Front center bolt riser behind the throttle body was removed. This improves air flow by eliminating an obstruction in the intake track.
- Optimally designed lid shape channels air better than the standard lid creating less turbulence, and allowing a higher flow rate.

Below is a flow bench comparison between the standard Saleen Supercharger lid and the new Saleen High Flow supercharger lid. The Stage 6.0 Label is for the Standard lid and the Stage 6.5 is for the High Flow lid.

<i>S281 S/C INTAKE FLOW COMPARISON</i>			
Type	Throttle Body	CFM	IN H2O
Stage 6.0	Yes	600	28
Stage 6.0	No	770	28
Stage 6.5 (stl model)	Yes	638	28
Stage 6.5 (stl model)	No	825	28

Again, thank you for choosing Saleen!



Pre-Installation Precautions:

To help ensure the proper operation of your vehicle, follow the guidelines below:



IF YOU ARE NOT EXPERIENCED in the area of automotive mechanics, we strongly urge that you refer this installation to a certified installer or technician.

PAY ATTENTION TO VEHICLE TYPE NOTATION because there are installation steps in this manual that differ based on whether your vehicle is a 2005 to 2009 model or a 2010 model*. There will be clear markings at the lower RH corner of the page (**A - C designations**). Taking the time to read these instructions along with following the notes will ensure a smooth, easy, and successful installation**.

*This instruction manual consists of the two most likely vehicle types for this kit (Saleen Series VI and VI.5 Superchargers on a 2005 to 2010 Mustang). Saleen cannot anticipate what modifications may be done to every vehicle, so there may be an installation conflict with some aftermarket equipment.

**This manual was created during the production process, using the Saleen 2010 S281 S/C as an example. Any form of aftermarket body kits may require different or additional steps when removing body components (such as the headlamp) and may be different than the instructions listed in this manual. If the vehicle does contain other aftermarket body components, contact that aftermarket supplier for disassembly and assembly instructions.

Safety Precautions:

To help guarantee your safety, please follow the guidelines listed below:



NO SMOKING, FLAMES, OR SPARKS around the battery or fuel system. Batteries can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.



WEAR THE APPROPRIATE SAFETY GEAR such as safety glasses and gloves during the vehicle tear down and installation of new components. Always follow the safety instructions that come with the tools you are using.



USE CAUTION AROUND VEHICLE when working on it. Make sure the vehicle is turned **OFF**, is properly secured (in park or in gear with the parking brake on), and is sitting on a level surface.

If a hoist or floor jack is required, make sure the vehicle is in park or in gear and the parking brake on. If using a floor jack, make sure the vehicle is on a level surface, the rear tires are chocked, and the vehicle is being supported by jack stands. Follow ALL safety guidelines & operational instructions spelled out in the hoist or floor jack's owners manual. Failure to do so may result in serious injury.

Avoid wearing loose clothing or jewelry, as these items might get caught in moving parts resulting in injury. When instructed to operate your vehicle, make sure you do so in a well-ventilated area (to prevent carbon monoxide poisoning).

Be safe and use proper care and precautions. Saleen wants you to have a safe and rewarding experience.



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PARTS INCLUDED IN HIGH FLOW S/C LID KIT

10-1607-B19560	SERIES 6.5 SUPERCHARGER HIGH FLOW LID UPGRADE	1	EACH
06-1607-C09882	GASKET, INLET TUBE '05 MUSTANG	1	EACH
06-1607-B19559	INLET SNORKEL, SERIES 6.5 SUPERCHARGER MACHINED	1	EACH
00-9304-C19185	VIBRA STOP HIGH TEMP, 30cc	1	EACH
00-1607-C19548	O-RING .070"x6.00" I.D.	1	EACH
06-1607-C18446	LID, SUPERCHARGER MODULAR	1	EACH
00-1607-C19550	HSCS M8x16 LG SS	6	EACH
00-1607-C19549	HSCS M8x40 LG SS	4	EACH
00-1607-C19547	HSCS M8x35 LG SS	2	EACH
00-1607-C19551	BHCS M8x12 LG SS	1	EACH
00-1607-C18833	STOP, 3/4" BUNA-N RUBBER	1	EACH
00-9001-C18850	CAPSCRW SCKT HD M4x0.7x16mm	1	EACH
00-9001-C18849	CAPSCRW FLT HD M6x1.0x16mm	1	EACH
06-1607-C18834	SPACER, INTERCOOLER RETAINING	1	EACH
00-1702-C145400	TMAP SENSOR	1	EACH
TBD	CAPSCRW, SCKT HD M5x0.8x20mm	2	EACH
00-9004-C002270	WASHER FLAT M5 ST	2	EACH
00-2003-C104480	PLUG SOCKET HEAD 3/8 NPT NI PL	1	EACH
08-1704-B15501	HARNESS, S331 TMAP SENSOR EXTENSION	1	EACH
00-1703-C070820	HEAT SHRINK SUAL WALL 1/4" BLK	5	INCH
00-1704-C092600	18 GAUGE, SEAMLESS BUTT CONNECTOR	2	EACH
00-1704-C153070	SLEEVING, CONVOLUTED 1/4" BLK	8	INCH

TOOLS REQUIRED FOR INSTALLATION

ALLEN WRENCH SET 19mm WRENCH 1/4" DRIVE RATCHET 1/4" DRIVE TORQUE WRENCH 3/8" DRIVE RATCHET 3/8" DRIVE TORQUE WRENCH 17mm SOCKET FOR 3/8" DRIVE RATCHET 13mm SOCKET FOR 1/4" DRIVE RATCHET 12mm SOCKET FOR 1/4" DRIVE RATCHET 8mm SOCKET FOR 1/4" DRIVE RATCHET 7mm SOCKET FOR 1/4" DRIVE RATCHET LIGHTER OR TORCH

MATERIALS REQUIRED FOR INSTALLATION

VIBRA-TITE 46025 PTFE PIPE SEALANT



TORQUE



ITEM



OPERATION

2010 MODEL SHOWN - 2005 TO 2009 TYPICAL



NOTICE: No smoking, flames, or sparks around the battery. Batteries can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.

10

Remove the red boot, and disconnect battery positive terminal from the battery with an 8mm socket.

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE



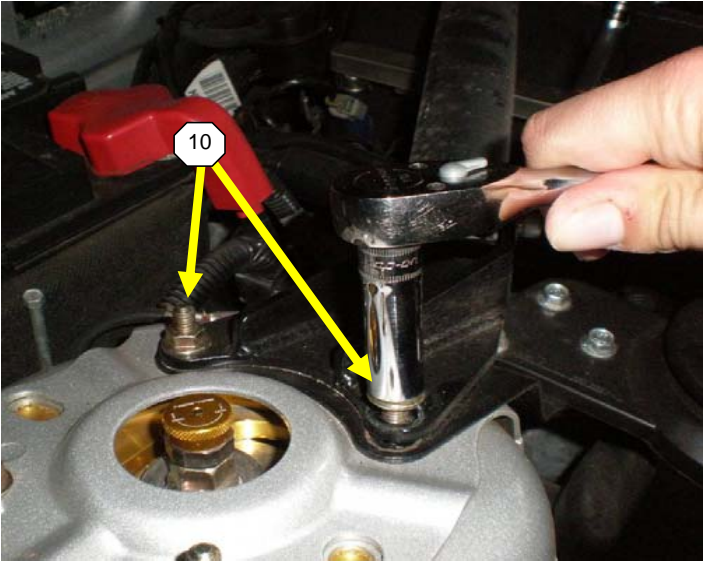
PROCESS

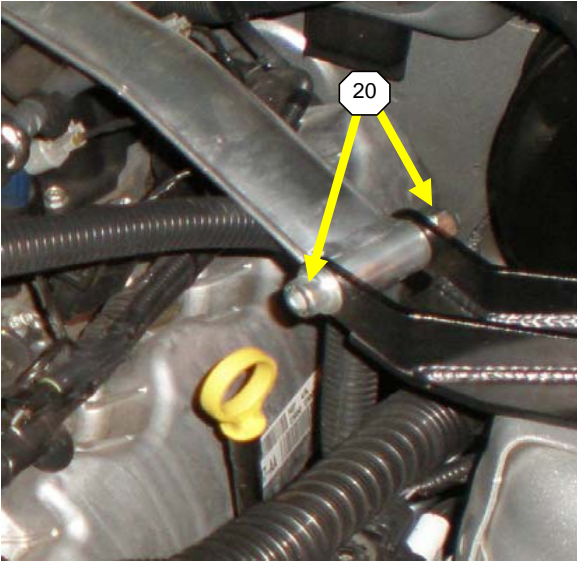
PAGE


DISCONNECT BATTERY

TORQUE

ITEM







NOTES:

OPERATION

10

Remove the four 13mm nuts (two per strut tower brace bracket), and lift each bracket off of the strut tower.

NOTICE: PICTURE 10 is from a vehicle equipped with the Saleen N2 Adjustable Suspension (P/N: 06-1300-A19349). If the vehicle is equipped with this suspension, the upper strut mount nuts will be 12mm.

20

Disconnect one of the strut tower bar brackets from the bar. The bracket is attached with an Allen head bolt and a 17mm nut.

30

Carefully slide the strut tower brace through the gap in the supercharger lid. The end with the removed bracket will be slid through the lid.

NOTICE: It is very easy to scratch the strut tower bar when sliding it through the lid. Remove the bar with care.

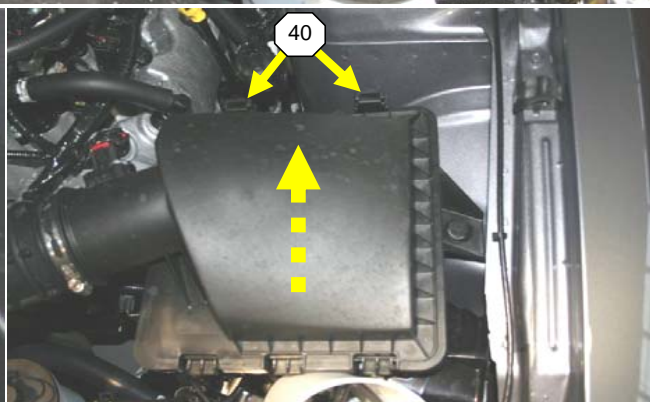
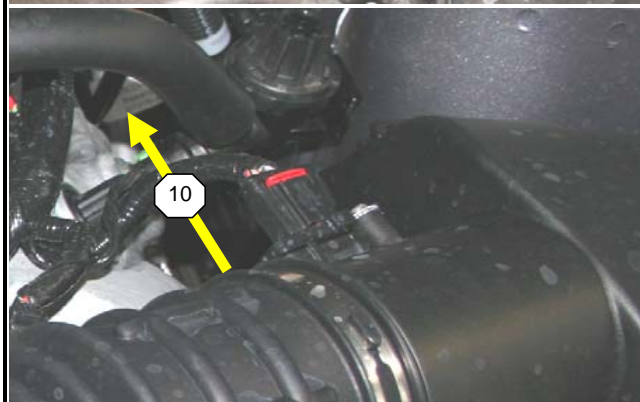
ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE	SALEEN SPEEDLAB
	PROCESS
	REMOVE STRUT TOWER BRACE STRUT TOWER EQUIPPED VEHICLES

PAGE

A

2



- | | |
|----|---|
| 10 | Pull the red tab on the top of the MAF connector away from the air box lid to un-lock the connector. Depress the tab on the top of the connector, and disconnect. |
| 20 | Disconnect the crankcase vent tube from the snorkel (just forward of the throttle body). Push on the green locking tab, and pull the vent tube away from the snorkel. |
| 30 | With a flat blade screwdriver, loosen the clamp that secures the air box snorkel to the throttle body. |
| 40 | Undo the two clasps (facing the passenger compartment) that lock the air box lid to the air box. Slide the lid tabs out of the air box. |
| 50 | Lift the intake assembly (snorkel and air box lid together) out of the vehicle and set aside. |

[illegible]

NOTES:

TORQUE



	PROCESS
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PAGE

REMOVE AIR INTAKE SNORKEL

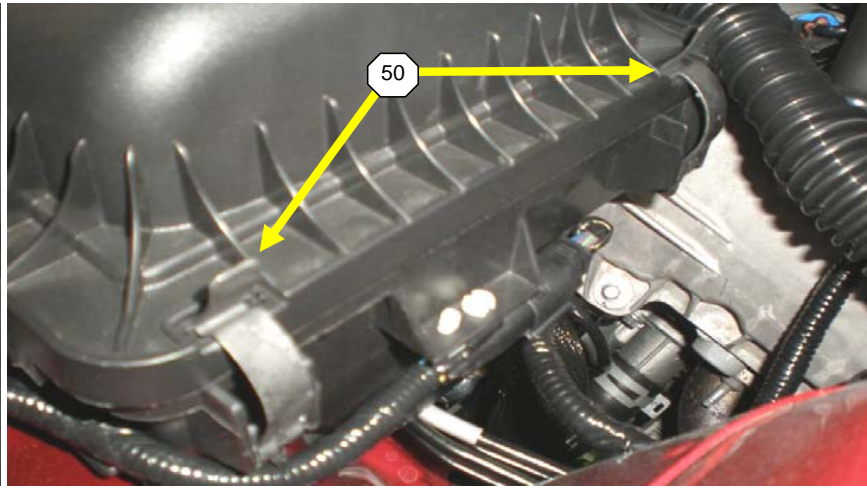

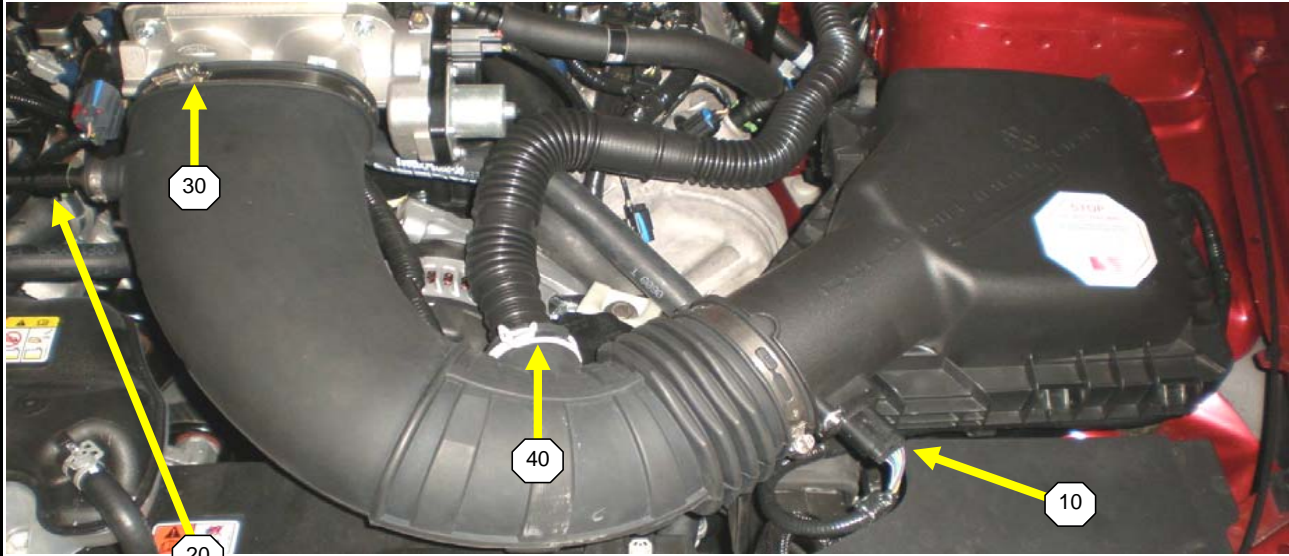
2005 to 2009 MODELS

B
3

TORQUE

ITEM

OPERATION



10

Pull the red tab on the top of the MAF connector away from the air box lid to un-lock the connector. Depress the tab on the top of the connector, and disconnect.

20

Disconnect the crankcase vent tube from the snorkel (just forward of the throttle body). Push on the green locking tab, and pull the vent tube away from the snorkel.

30

With a flat blade screwdriver, loosen the clamp that secures the air box snorkel to the throttle body. Slide the intake snorkel off of the throttle body.

40

Use a tension clamp tool to open up the clamp securing the breather tube to the intake snorkel. Disconnect the tube from the snorkel and set to the side.

50

Release the 2 clasps holding the air box lid to the air box. Remove the air box lid and inlet snorkel.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE	PROCESS	PAGE
	REMOVE AIR INTAKE SNORKEL 2010 MODELS	C 4

NOTES:



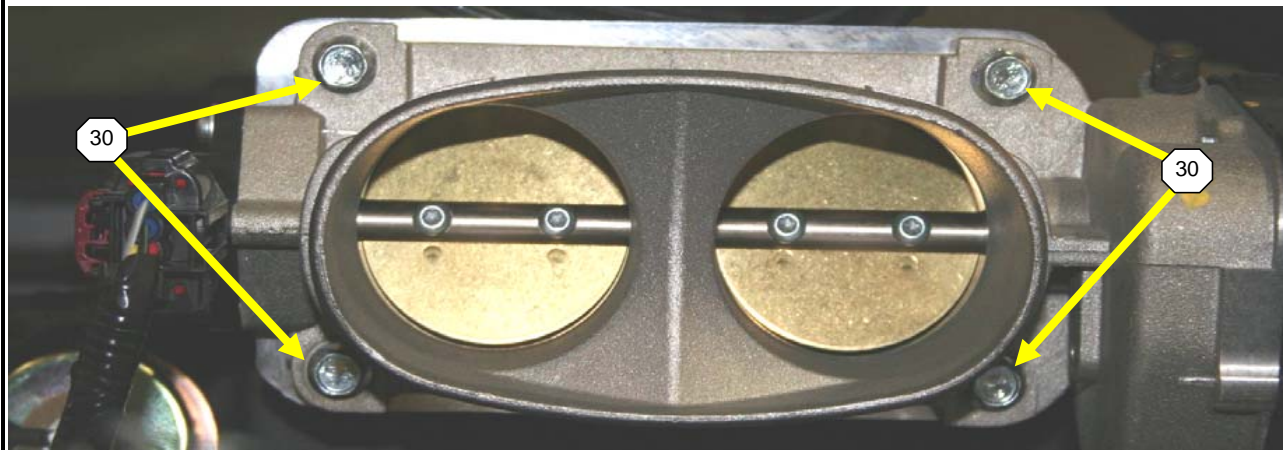
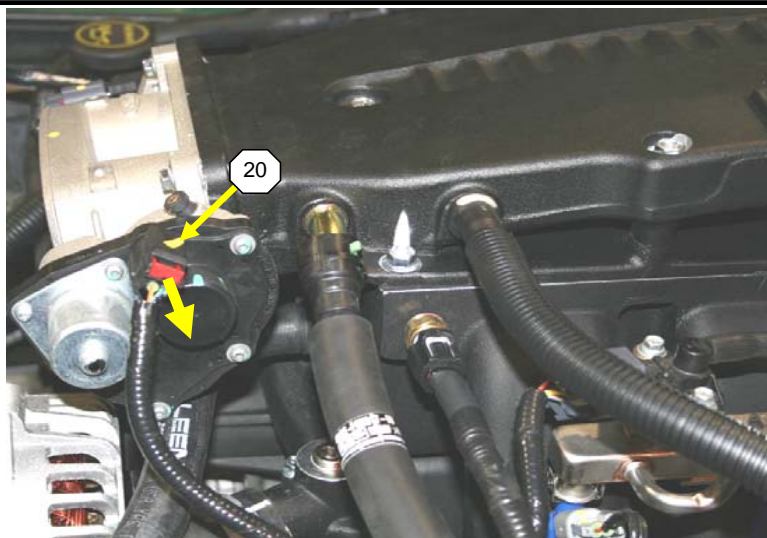
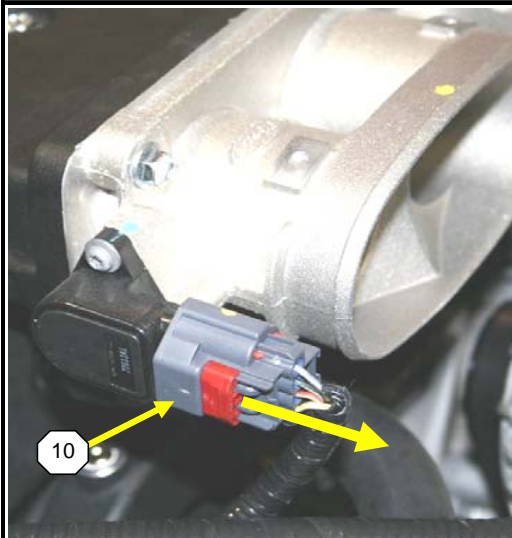
TORQUE



ITEM



OPERATION



10

Disconnect the throttle position sensor electrical connector by sliding the red shield on the connector towards the front of the car. Push down on the now exposed tab, and pull the connector towards the front of the vehicle to remove.

20

Disconnect the electronic throttle control electrical connector by pulling the red locking tab outward. Pull the connector outward.

30

Remove the four 10mm bolts securing the throttle body. Remove the throttle body.

40

Remove the orange throttle body gasket from the lid (between the throttle body and lid), the gasket will be re-used.

NOTICE: If the motor is a relatively high mileage motor, a brand new replacement may need to be acquired from Ford. It is the standard throttle body gasket for a 4.6L 3V GT (2005 to 2010).

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE

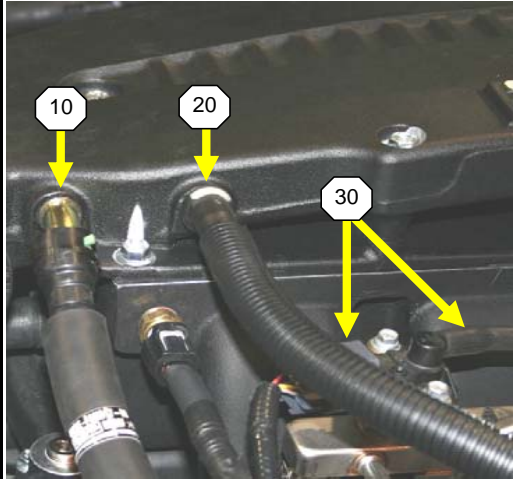
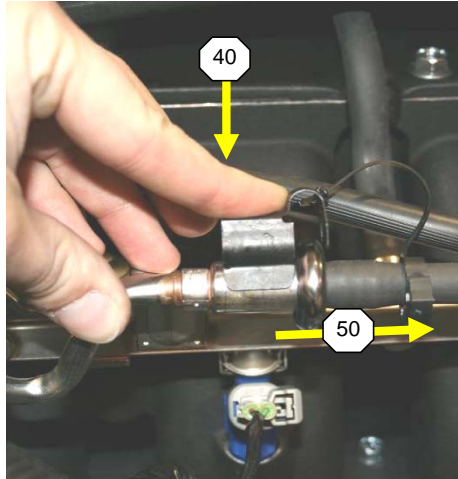
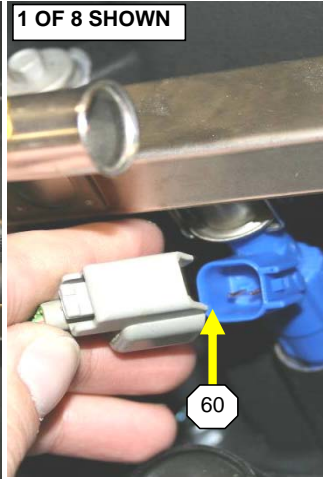
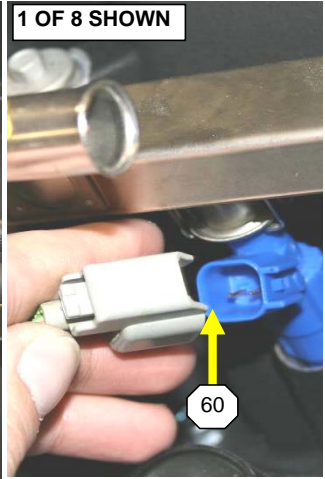
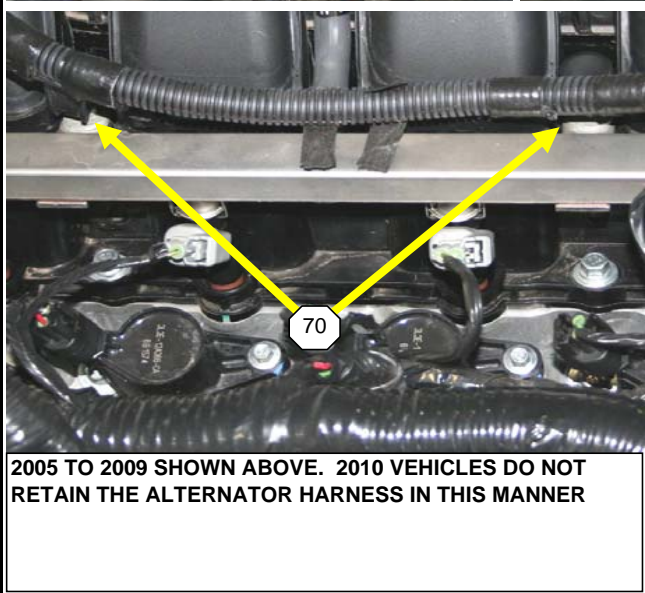
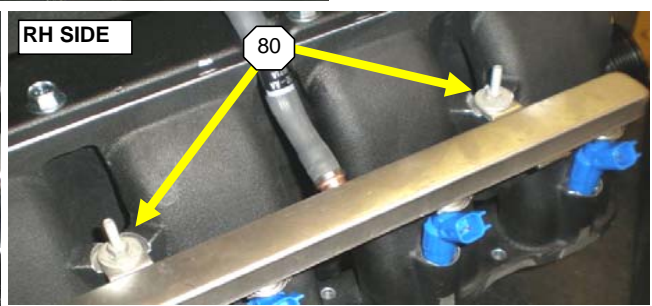
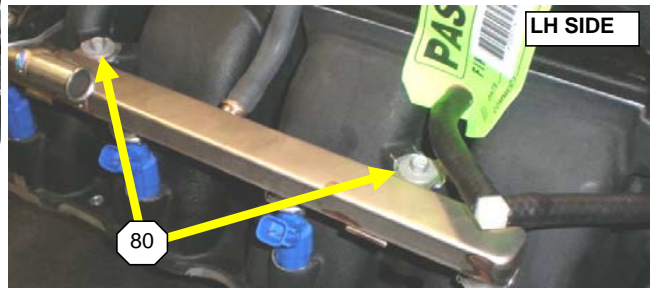


PROCESS

PAGE

REMOVE THROTTLE BODY

5

▲	TORQUE	ITEM	●	OPERATION
				
				
 <p>2005 TO 2009 SHOWN ABOVE. 2010 VEHICLES DO NOT RETAIN THE ALTERNATOR HARNESS IN THIS MANNER</p>			 <p>RH SIDE</p>  <p>LH SIDE</p>	
NOTES: 			<div> <div>1 OF 8 SHOWN</div> <div> <div> <div>●</div> <div>NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.</div> </div> <div> <div>10</div> <div>Disconnect the PCV tube from the driver (LH) side of the supercharger assembly lid. The fitting is just rearward of the throttle body. Slide the green locking collar to unlock and pull the hose off of the lid fitting.</div> </div> <div> <div>20</div> <div>Disconnect the PCV tube from the driver (LH) side of the supercharger assembly lid. The fitting is just rearward of the throttle body. Press in the white collar and pull the hose off of the lid fitting.</div> </div> <div> <div>30</div> <div>Disconnect the fuel rail electrical connector from the fuel rail module located on the driver (LH) side. Remove the rubber hose from the module located on the opposite side of the connector.</div> </div> <div> <div>40</div> <div>Remove the safety clip from the fuel line connector on the fuel rail.</div> </div> <div> <div>50</div> <div>Place the fuel line disconnect tool on the fuel rail side of the fuel rail. Slide the fuel line disconnect tool towards the rear of the vehicle until the tool locks in place. Disconnect the fuel line.</div> </div> <div> <div>60</div> <div>Disconnect the 8 fuel injector electrical connectors (gray) from the fuel injectors.</div> </div> <div> <div>70</div> <div>2005 to 2009: Detach the two wiring harness retainers from the fuel rail mounting stud bolts and position the harness to the side.</div> </div> <div> <div>80</div> <div>Remove the four 8mm fuel rail stud bolts and save them (they will be used later).</div> </div> </div> <div> <div>TORQUE</div> <div> <div>SALEEN SPEEDLAB</div> <div>PROCESS</div> <div>DISCONNECT EVAP & FUEL SYSTEM</div> </div> <div>PAGE</div> <div>6</div> </div> </div>	

TORQUE

ITEM

OPERATION

RH SIDE SHOWN

10

3 BOLTS CIRCLED

LH SIDE SHOWN

10

20

20

30

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40

10

Remove the fourteen 12mm bolts holding the lid to the main supercharger housing.

NOTICE:

One 12mm bolt at the back of the supercharger is very difficult to get to with the cowl over-hang. A swivel socket and extension may be needed to access and remove.

20

Pull each fuel rail up off of the supercharger (pulling all eight fuel injectors out of the supercharger housing).

30

Lift the supercharger lid (with fuel rails) off of the main supercharger housing.

40

Once the lid is removed, make sure the old lid gasket is removed. Wipe the gasket mating surface with a lint free rag.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE

SALEEN SPEEDLAB



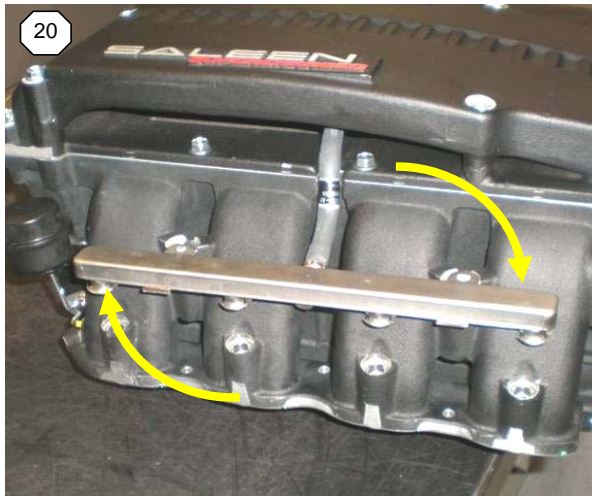
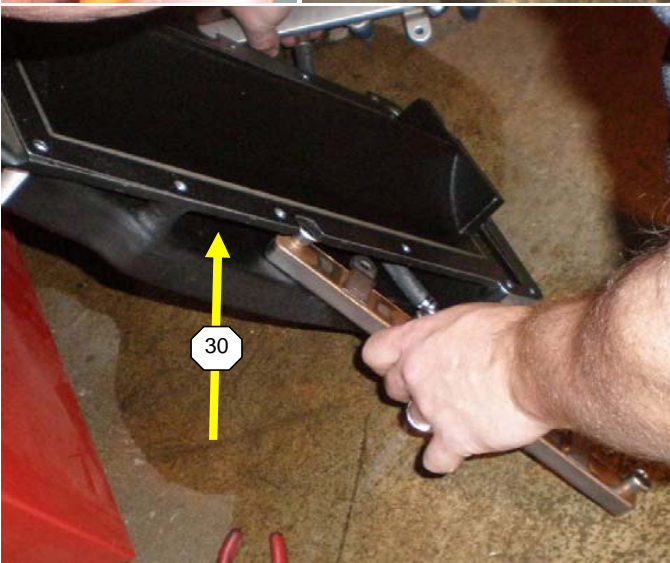
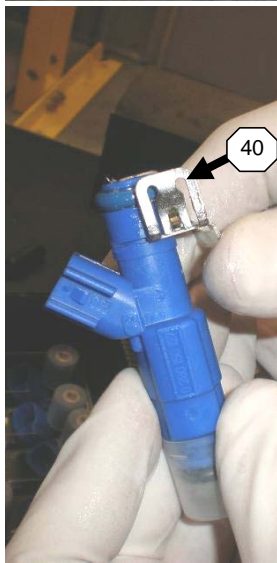
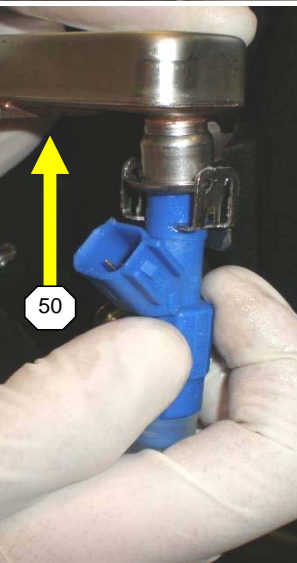
PROCESS

REMOVE SUPERCHARGER LID

PAGE

7

NOTES:

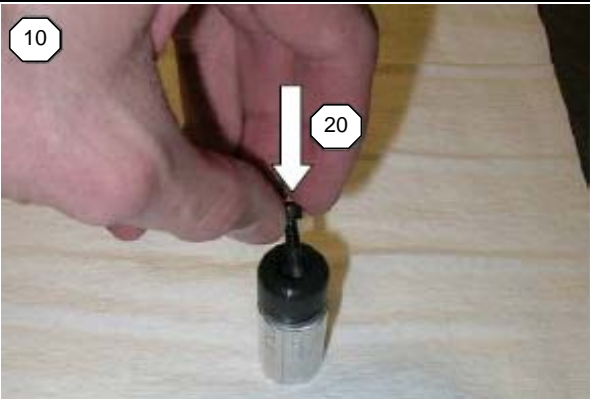
TORQUE		ITEM		OPERATION	
					
					
<p>NOTES:</p> <hr/> <hr/> <hr/>				<p> NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.</p>	
				<p>10 Remove four of the fuel injectors from one fuel rail with a flat blade screwdriver. Set the tip of the screwdriver between the flange in the fuel rail (where the fuel injector connects), and one of the ears of the injector retaining clip. Use the screwdriver to disengage the tab on the clip ear, and pry away from the injector connector. Once the clips are removed, pull each injector out of the fuel rail.</p>	
				<p>NOTICE: The injector clips have tension on them. When removing them with a screwdriver, they may want to pop off the injector and go flying. Try to contain the clips when removing and make sure to wear safety glasses. Save the injector clips, they will be re-used.</p>	
				<p>20 Once the four fuel injectors are removed from one fuel rail, rotate the fuel rail with the removed injectors 90 degrees.</p>	
				<p>30 Slide the fuel rail with the removed injectors through the gap in the supercharger lid.</p>	
				<p>40 Install the fuel injector retainer clips onto each injector. The clip will slide into the channel on top of each injector. The 2 ears of each clip will need to face upward.</p>	
				<p>50 Once there is a clip on each injector, insert each injector into the fuel rail. Make sure the connector portion of each injector faces outboard, and that both ears of the locking clip engage the fuel rail port.</p>	
				<p>60 Rotate the fuel rail back into position (Position before OPERATION 20), and set aside.</p>	
				TORQUE	
				PROCESS	
				PAGE	
				REMOVE FUEL RAIL FROM LID	
				8	


TORQUE

ITEM

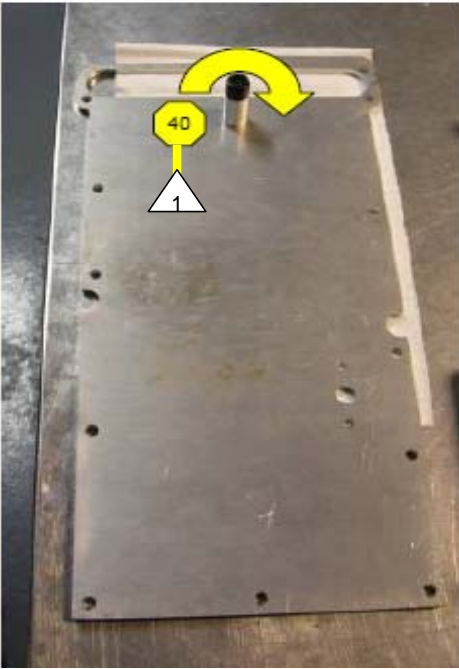
OPERATION

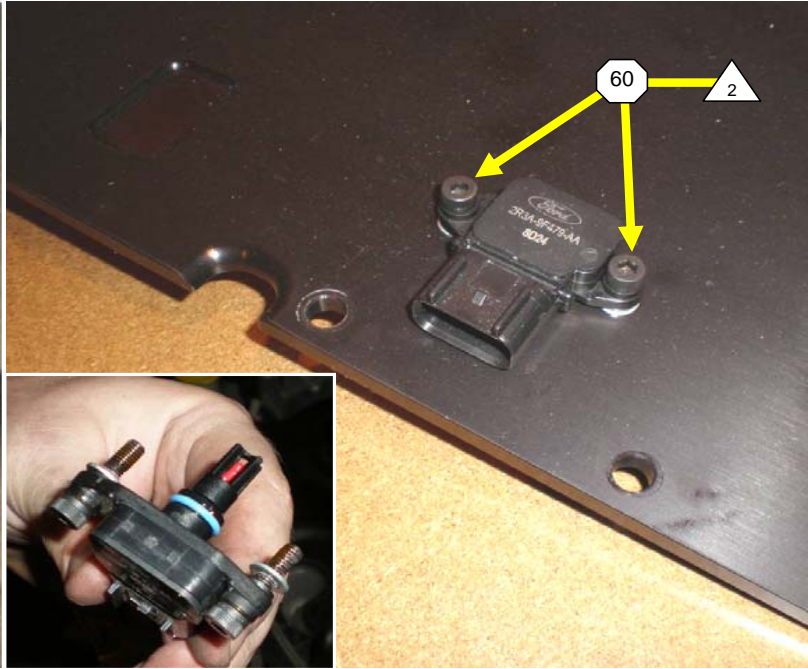
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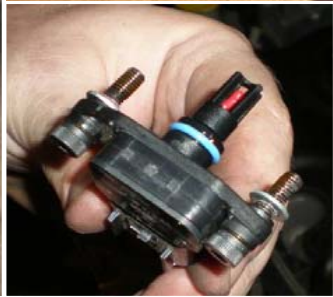




40







10

Assemble the intercooler stop by placing the rubber foot (A) over the end of the aluminum spacer (B) that is drilled and tapped for an M4 thread.

20

Apply Vibra Stop to the threads of the M4x16mm socket head cap screw (C). Tighten the M4 screw until the rubber stop begins to deform.

30

Apply Vibra Stop to the tapered face of the M6x16mm countersunk bolt (D), insert into shaker supercharger lid (E). Do not wait for the Vibra Stop to dry before inserting.

40

Thread the intercooler stop assembly onto the M6 bolt after applying Vibra Stop to the threads. Do not wait for the Vibra Stop to dry. Torque to **89 Lb-in +/- 13 Lb-in**. Wipe the excess sealant off of the head of the countersunk bolt.

50

Apply Vibra stop to the two allen head bolts (G). Slide the bolts through the two holes in the TMAP sensor (H).

60

Slide the two washers (I) (one washer per bolt) onto the exposed bolt threads. The washers will be installed in such a way that they will sit between the TMAP sensor and the lid (to space the TMAP off of the lid. Install the TMAP so that the connector faces the nearest edge of the lid. Torque each bolt to **40 Lb-in +/- 6 Lb-in**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1607-C18833	1	Stop, 3/4IN Buna-N Rubber
B	06-1607-C18834	1	Spacer, Intercooler Retain
C	00-9001-C18850	1	Caspcrw Sckt HD M4x0.7x16mm
D	00-9001-C18849	1	Capscrw, FLT HD M6x1.0x16mm
E	06-1607-C18446	1	Lid, Supercharger Modular
F	00-9304-C19185	1	Vibra Stop High Temp
G	00-9001-C094960	2	Capscrw Sckt HD M4x0.7x12mm
H	00-1702-C14540	1	TMAP Sensor
I	00-9004-C002270	2	Washer Flat M5 ST

TORQUE

1

89 +/- 13 Lb-in

2

40 +/- 6 Lb-in

SALEEN
SPEEDLAB

PROCESS

ASSEMBLE SUPERCHARGER LID

PAGE

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NOTES:



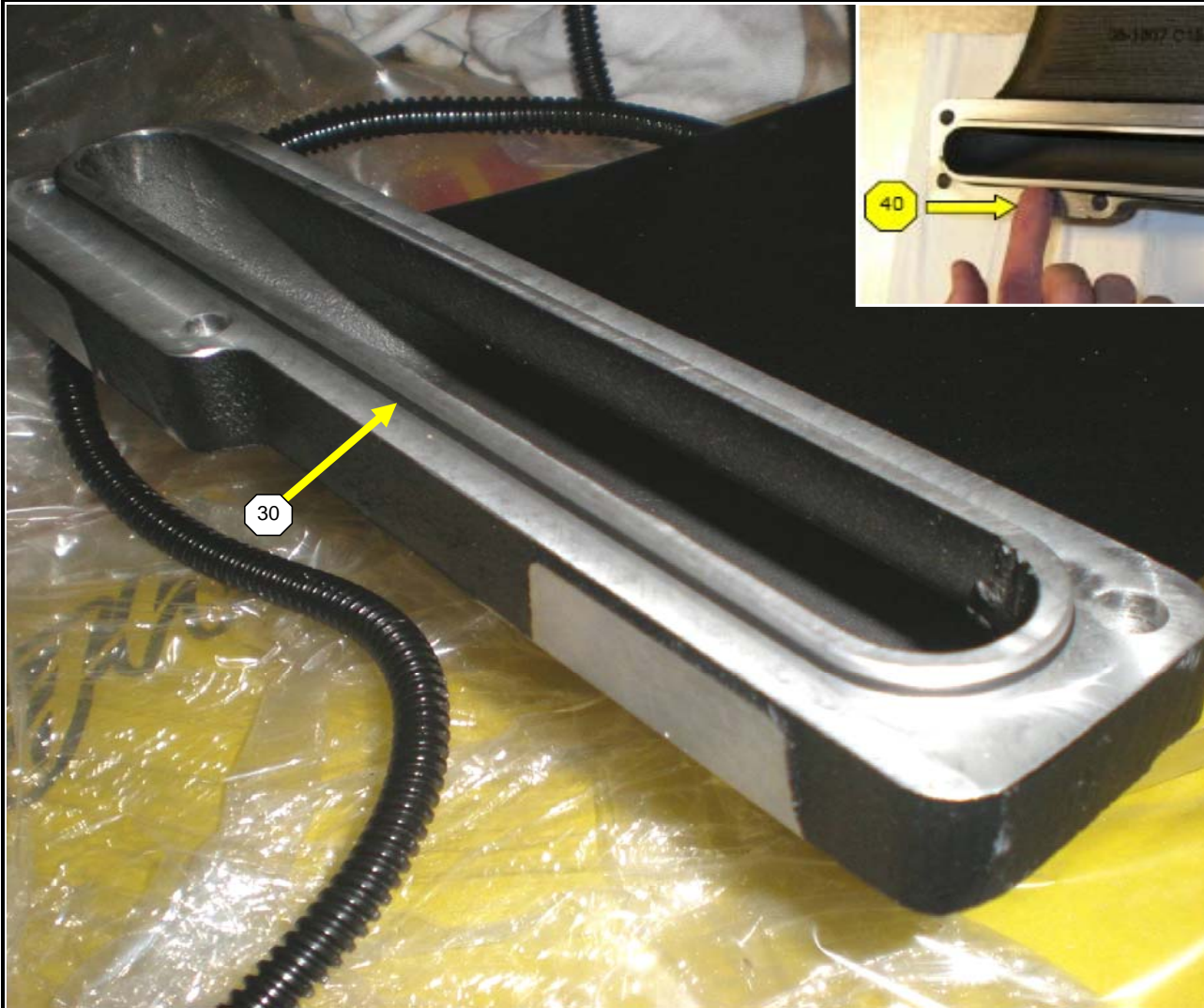
TORQUE



ITEM



OPERATION



- 10 Using a clean cloth rag and brake cleaner, clean the interior of the intake snorkel, and the machined mating faces at either end. Let air dry or blow out with compressed air if available.
- 20 Apply silicone O-ring lubricant to the large O-ring (A).
- 30 Install the large O-ring over the slotted end of the supercharger intake snorkel (B). The O-ring will sit in the groove milled in the perimeter of the snorkel. Be careful to stretch the O-ring as little as possible while installing it. The fit may appear a loose once it is sitting in its groove.
- 40 Gently run your finger around the O-ring to seat it into its groove. Push any excess towards the back face as shown. Make sure the corners are seated well.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-1607-C19548	1	O-Ring .070" x 6.00" I.D.
B	06-1607-B19559	1	Inlet Snorkel, Series 6.5 SC Machined

NOTES:

TORQUE



PROCESS

PAGE

INSTALL SUPERCHARGER
SNORKEL O-RING

10



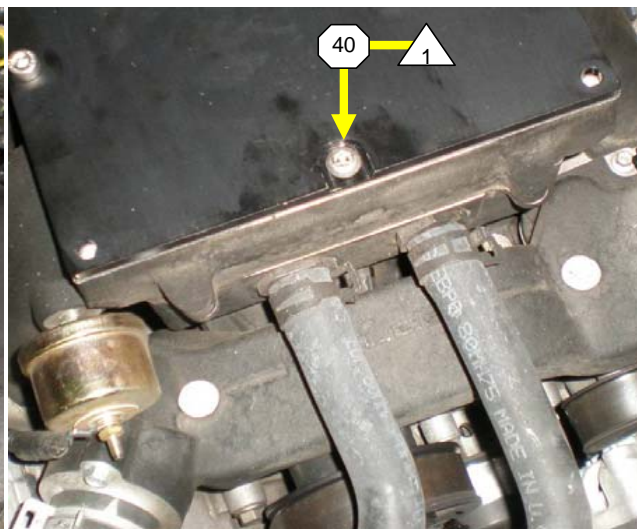
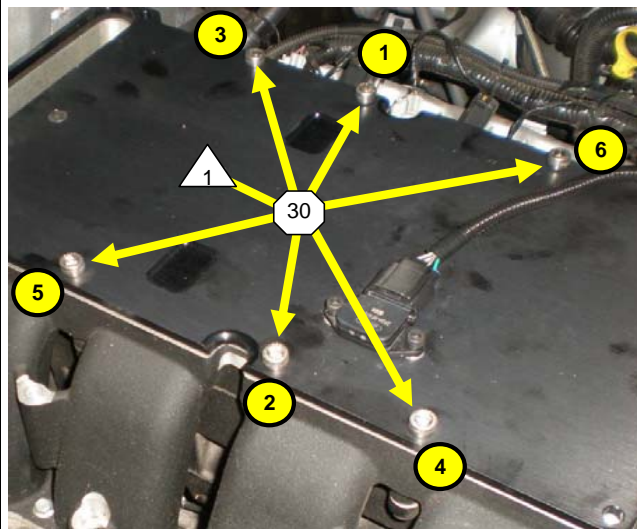
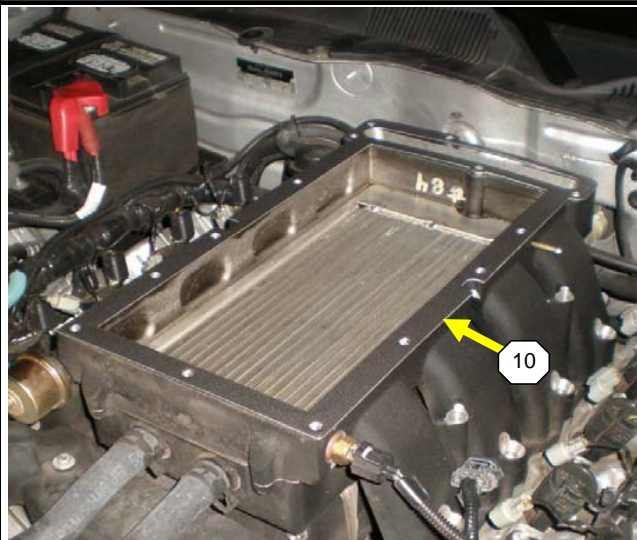
TORQUE



ITEM



OPERATION



NOTICE: The TMAP sensor and harness will be pointed in the reverse direction then what was instructed on [Page 9](#) (pointing towards the driver side instead of the passenger side). Disregard sensor orientation in the following pages. It can be installed facing the driver side, but Saleen recommends the sensor face the passenger side for ease of connector accessibility.

10 Retrieve the supercharger lid gasket (A) and set it onto the supercharger housing.

20 Lower the assembled supercharger lid onto the supercharger housing. The TMAP will be facing upward and the threaded on stud with rubber stop will face downward (holding the back of the intercooler in place).

30 Apply Vibra Stop to the threads of the six allen head bolts (B). Install the six bolts to secure the supercharger lid to the housing. Torque each bolt to **18 Lb-ft +/- 2.7 Lb-ft**. Follow the torque order shown in [PICTURE 30](#).

40 Apply Vibra Stop to the threads of the one low profile allen head bolt (C). Install the bolt into the front center most mounting hole in the supercharger lid. Torque the bolt to **18 Lb-ft +/- 2.7 Lb-ft**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	06-1607-C09882	1	Gasket Inlet Tube
B	00-1607-C19550	6	HSCS M8x16 LG SS
C	00-1607-C19551	1	BHCS M8x12 LG SS
D	00-9304-C19185	1	Vibra Stop High Temp

NOTES:

TORQUE



18 +/- 2.7 Lb-ft


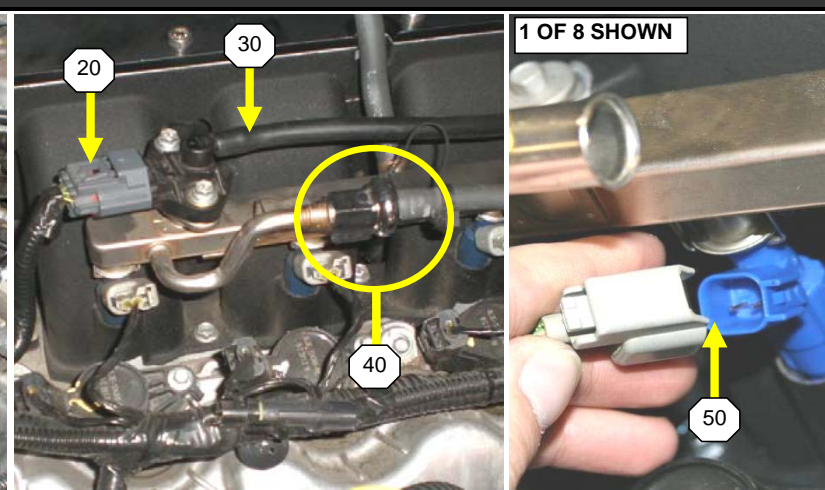
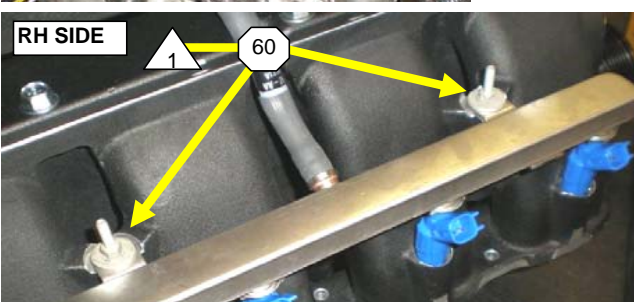

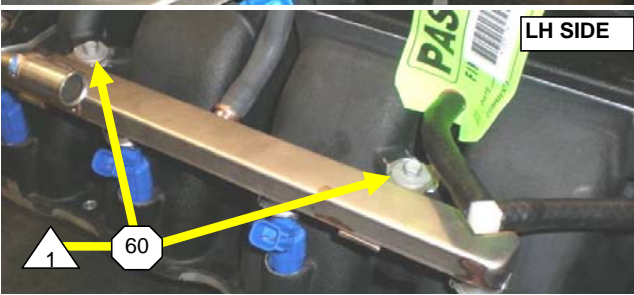
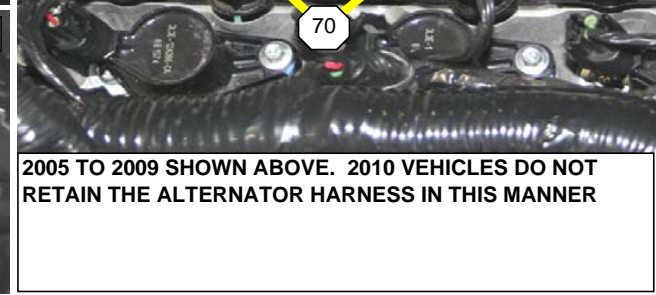


PROCESS

PAGE

INSTALL SUPERCHARGER LID

11

<div>▲</div> <div>TORQUE</div>	<div>■</div> <div>ITEM</div>	<div>●</div> <div>OPERATION</div>												
<div>10</div> 	<div>20</div> <div>30</div> <div>40</div> <div>1 OF 8 SHOWN</div> 	<div>●</div> <div>NOTICE: No smoking, flames, or sparks around the fuel system. The fuel line and fuel rail can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.</div>												
<div>RH SIDE</div> <div>1</div> <div>60</div> 	<div>40</div> <div>50</div> 	<div>10</div> <div>20</div> <div>30</div> <div>40</div> <div>50</div> <div>60</div>												
<div>LH SIDE</div> <div>1</div> <div>60</div> 	<div>70</div> <div>2005 TO 2009 SHOWN ABOVE. 2010 VEHICLES DO NOT RETAIN THE ALTERNATOR HARNESS IN THIS MANNER</div> 	<div>60</div> <div>70</div>												
<div>NOTES:</div> <div></div> <div></div> <div></div>		<table> <tr> <th data-bbox="1344 1226 1585 1323">TORQUE</th><th colspan="2" data-bbox="1585 1226 2041 1323"> <div>SALEEN SPEEDLAB</div> </th></tr> <tr> <td data-bbox="1344 1323 1585 1388"> <div>1</div> <div>91 +/- 13.6 Lb-in</div> </td><td data-bbox="1585 1323 1953 1388">PROCESS</td><td data-bbox="1953 1323 2041 1388">PAGE</td></tr> <tr> <td data-bbox="1344 1388 1585 1573"></td><td colspan="2" data-bbox="1585 1388 1953 1573">INSTALL FUEL RAIL</td></tr> <tr> <td data-bbox="1344 1573 1585 1578"></td><td data-bbox="1585 1573 1953 1578"></td><td data-bbox="1953 1573 2041 1578">12</td></tr> </table>	TORQUE	<div>SALEEN SPEEDLAB</div>		<div>1</div> <div>91 +/- 13.6 Lb-in</div>	PROCESS	PAGE		INSTALL FUEL RAIL				12
TORQUE	<div>SALEEN SPEEDLAB</div>													
<div>1</div> <div>91 +/- 13.6 Lb-in</div>	PROCESS	PAGE												
	INSTALL FUEL RAIL													
		12												



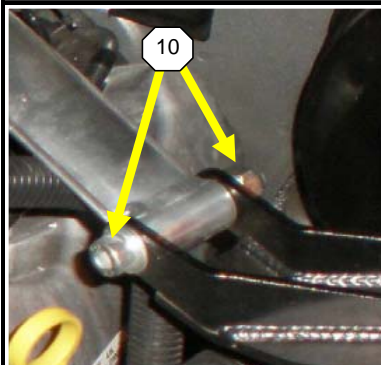
TORQUE



ITEM



OPERATION



RH SIDE SHOWN - LH TYPICAL



10

Re-assemble the strut tower bracket to the strut tower bar. The allen head bolt with washer will face forward with a washer, lock washer, and nut facing towards the blukhead.

20

Place each strut tower bracket back onto the strut tower (over the strut studs). Re-install and tighten the four 13mm nuts (two per strut tower) and torque to **26 Lb-ft +/- 3.9 Lb-ft**.

NOTICE: PICTURE 20 is from a vehicle equipped with the Saleen N2 Adjustable Suspension (P/N: 06-1300-A19349). If the vehicle is equipped with this suspension, the upper strut mount nuts will be 12mm.

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE

1

26 +/- 3.9 Lb-ft




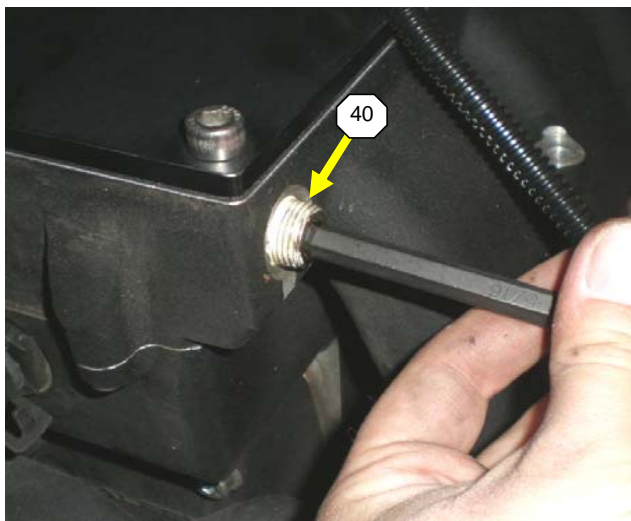
SALEEN
SPEEDLAB

PROCESS

PAGE

INSTALL STRUT TOWER BRACE
STRUT TOWER EQUIPPED VEHICLES**A**

13

TORQUE		ITEM		OPERATION																																					
				10	Disconnect the engine harness ACT connector from the ACT sensor. To disconnect, depress the tab on the top of the connector and pull to remove.																																				
				20	Using a 19mm wrench, remove the ACT sensor from the supercharger housing (located on the driver side near the front of the supercharger).																																				
				30	Apply PTFE Instant Pipe Sealant to the threads of the supplied Allen plug (A). NOTICE: Saleen recommends the use of <u>Vibra-Tite 46025 PTFE Pipe Sealant</u> . Loctite 567 or an equivalent can be used as a substitute.																																				
				40	Install the plug with an Allen wrench. Make sure the plug is fully seated.																																				
																																									
<table><tr><th>ITEM</th><th>PART NUMBER</th><th>QTY.</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>00-2003-C104480</td><td>1</td><td>Plug, SCKT HD 3/8 NPT NI-PL</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>						ITEM	PART NUMBER	QTY.	DESCRIPTION	A	00-2003-C104480	1	Plug, SCKT HD 3/8 NPT NI-PL																												
ITEM	PART NUMBER	QTY.	DESCRIPTION																																						
A	00-2003-C104480	1	Plug, SCKT HD 3/8 NPT NI-PL																																						
<div>NOTES:</div> <div></div> <div></div> <div></div>				<table><tr><th colspan="2">TORQUE</th><th colspan="2">SALEEN SPEEDLAB</th></tr><tr><td></td><td></td><td>PROCESS</td><td>PAGE</td></tr><tr><td></td><td></td><td>REMOVE ACT SENSOR & PLUG CASE</td><td>14</td></tr></table>		TORQUE		SALEEN SPEEDLAB				PROCESS	PAGE			REMOVE ACT SENSOR & PLUG CASE	14																								
TORQUE		SALEEN SPEEDLAB																																							
		PROCESS	PAGE																																						
		REMOVE ACT SENSOR & PLUG CASE	14																																						



TORQUE



ITEM



OPERATION



10

Remove the electrical tape where the ACT sensor harness meets the engine harness.

20

Peel back the wiring convolute and cut the gray and gray with red stripe wires on the engine harness side of the butt connectors.

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE



PROCESS

PAGE

REMOVE ACT HARNESS

15



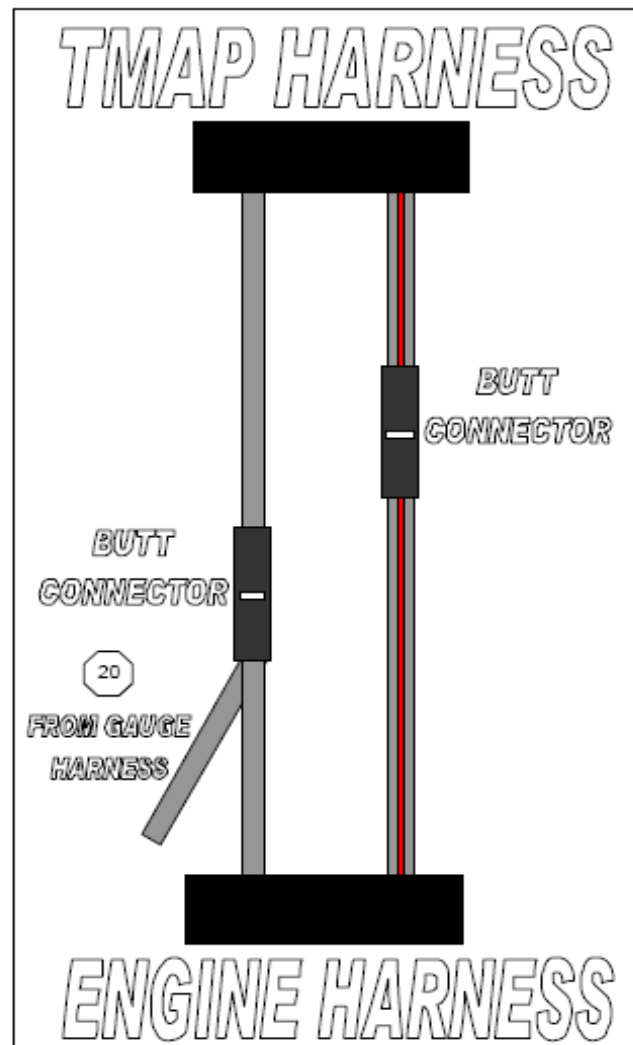
TORQUE



ITEM



OPERATION



NOTICE: These steps are only required if you will be connecting the Saleen boost and air charge temp gauge kit.

10

Using wire cutters, cut the gray wire with single pin connector off at the ACT sensor connector. Strip approximately 1/4in of insulation from the end of the gray wire. The wire will be inserted into the butt connector that will be used to connect the gray wires coming from the engine and TMAP harnesses on the next page.

20

Splice the single pin connector (with attached gray wire removed in **OPERATION 10**) to the gray wire butt splice on **Page 17**.

ITEM	PART NUMBER	QTY.	DESCRIPTION
A			

TORQUE



PROCESS

PAGE

TRANSFER GAUGE POD
CONNECTOR FROM ACT
HARNESS TO TMAP HARNESS
MODELS WITH A GAUGE POD KIT

16

NOTES:

TORQUE

ITEM

10

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70

80

TMAP HARNESS

BUTT CONNECTOR

BUTT CONNECTOR

ENGINE HARNESS

NOTES:

TORQUE

SALEEN SPEEDLAB

PROCESS

INSTALL TMAP HARNESS

PAGE

17

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80

Retrieve the TMAP sensor wiring harness (A), plug the 5-pin connector into the TMAP sensor, and route the harness around the front of the supercharger housing.

Untape the wiring convolute where the gray, gray with red stripe, and brown wires come out of the convolute. Tuck the brown wire back into the convolute, and retape the convolute.

Cut 3.5in from the gray and gray with red stripe wires, strip 1/4in of insulation off of each one, and crimp a butt connector (B) onto the end of both wires.

Cut two pieces of heat shrink off of the supplied length (C) and put one piece over the gray and gray with red wires coming from the driver side engine wiring harness.

Strip 1/4in of insulation off of the gray and gray with red stripe wires coming from the driver side engine wiring harness. Crimp the TMAP wires to the engine wiring harness wires, gray to gray and gray with red stripe to gray with red stripe.

Shrink the heat shrink using a small torch, lighter, or other heat source. Cut a 6in piece of 1/4in wiring convolute (D) from the supplied length and slip it over the exposed wires. Tape at both ends.

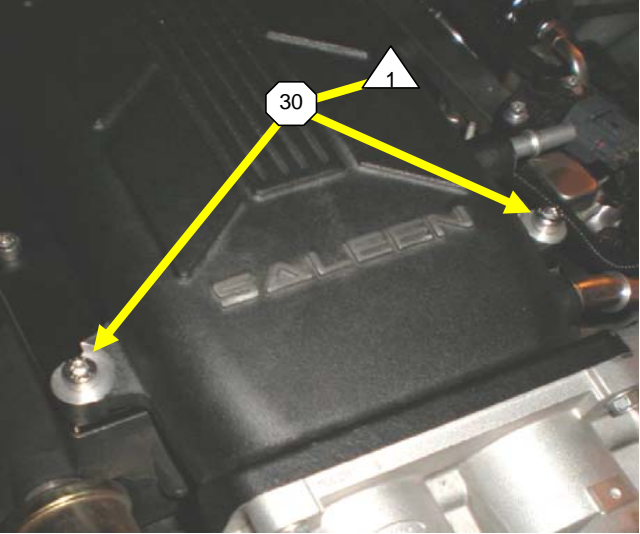
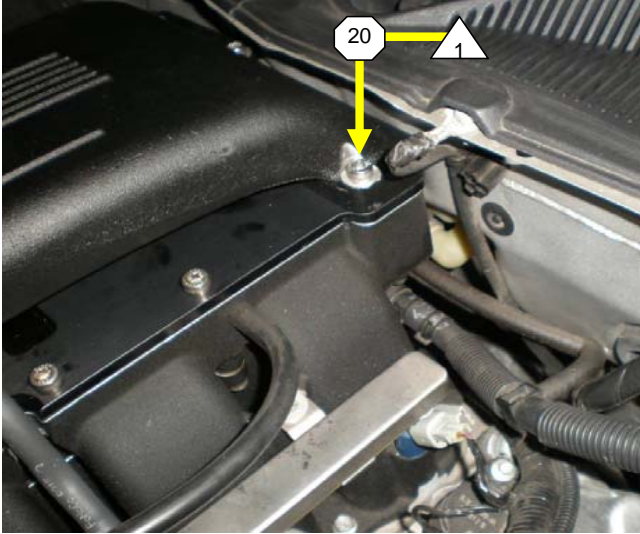
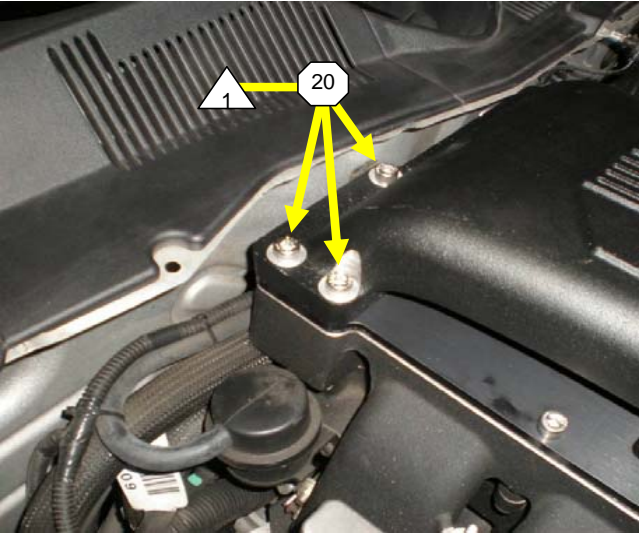
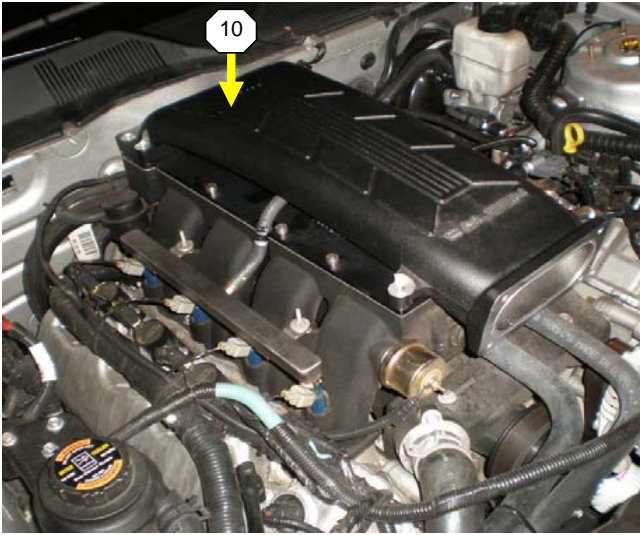
Use a zip tie and tie the connector coming from the TMAP harness in place. It will not be used.

GAUGE POD EQUIPPED VEHICLES: Connect the 1 pin connector from the gauge pod harness to the 1 pin connector removed from the ACT harness on [Page 16](#).

TORQUE

ITEM

OPERATION



10

Lightly place the supercharger lid snorkel onto the supercharger lid. Lightly tap the back of the lid (portion near the bulkhead) downward till the snorkel seats to the lid.

20

Obtain the four Allen head bolts (A) (with a collar above the threads). Apply Vibra Seal to the threads. Install three bolts on the passenger side rear corner of the lid snorkel and one bolt on the driver side rear corner. Torque each bolt to **18 Lb-ft +/- 2.7 Lb-ft**.

30

Obtain the two Allen head bolts (B). Apply Vibra Seal to the threads. Install the two bolts at the front of the supercharger (one on each side of the "Saleen" logo). Torque each bolt to **18 Lb-ft +/- 2.7 Lb-ft**.

NOTES:

TORQUE

1

18 +/- 2.7 Lb-ft


PROCESS

INSTALL SUPERCHARGER LID SNORKEL

PAGE

18

ITEM	PART NUMBER	QTY.	DESCRIPTION
A	00-1607-C19549	4	HSCS M8x40 LG SS
B	00-1607-C19547	2	HSCS M8x35 LG SS
C	00-9304-C19185	1	Vibra Stop High Temp





TORQUE



ITEM



OPERATION



NOTES:

10

Insert the take-off Ford throttle body gasket (removed on [Page 5](#)), into the groove in the front of the inlet tube. Make sure the gasket is fully seated into the groove.

NOTICE: If the motor is a relatively high mileage motor, a brand new replacement may need to be acquired from Ford. It is the standard throttle body gasket for a 4.6L 3V GT (2005 to 2010).

20

Using the four 10mm bolts, install the stock throttle body onto the inlet assembly. Tighten the bolts to **91 Lb-in +/- 13.6 Lb-in** with a torque wrench.

ITEM	PART NUMBER	QTY.	DESCRIPTION

TORQUE



91 +/- 13.6 Lb-in



PROCESS

INSTALL THROTTLE BODY

PAGE

19



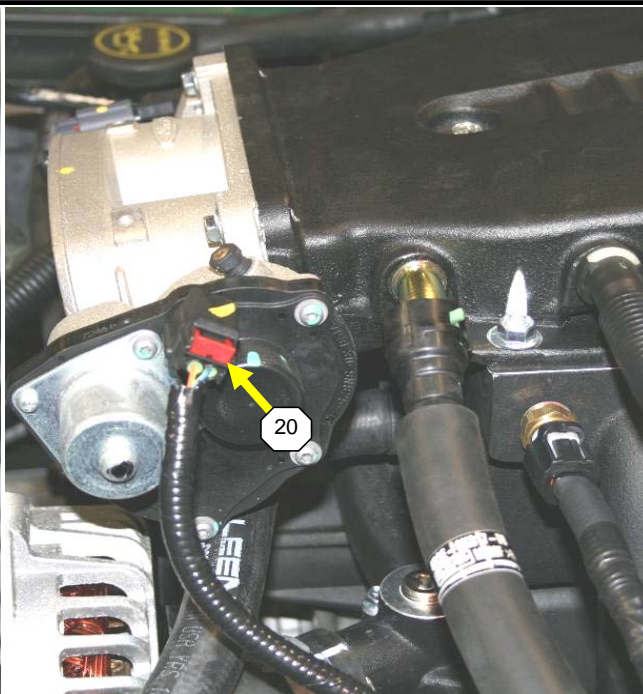
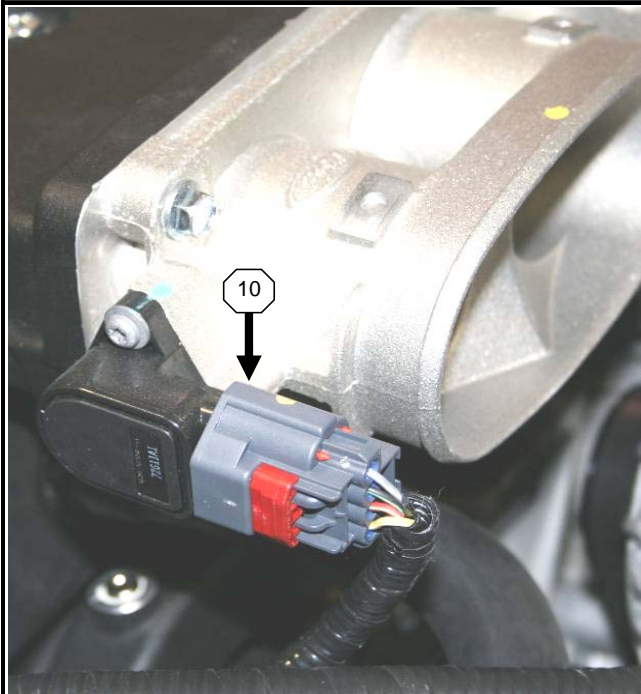
TORQUE



ITEM



OPERATION



- 10 Plug in the throttle control electrical connector into the passenger (RH) side of the throttle body. Press the plug onto the throttle body connector until it is fully seated, and then slide the red locking tab towards the throttle body to lock the connector into place.
- 20 Connect the throttle position connector to the driver (LH) side of the throttle body. Press the plug onto the throttle body connector until it is fully seated, and then slide the red locking tab towards the throttle body to lock the connector into place.
- 30 Connect the PCV tube to the driver (LH) side of the supercharger assembly lid. The fitting is just rearward of the throttle body. Press the tube onto the fitting until it clicks into place.
- 40 Connect the EVAP canister vapor tube into the driver (LH) side of the supercharger assembly lid. The fitting is located rearward of the PCV tube. Press the tube onto the fitting until it clicks into place.

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE

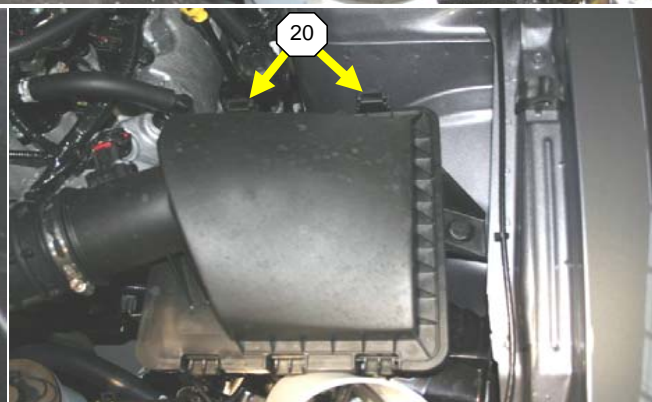
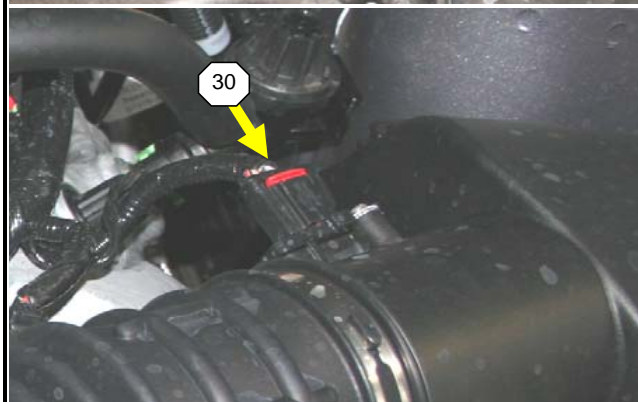


PROCESS

MAKE EVAP, PCV & THROTTLE
BODY CONNECTIONS

PAGE

20



- 10 Retrieve the air intake snorkel (with attached lid) and slide the throttle body portion onto the throttle body. Use a flat blade screwdriver to tighten the clamp.
- 20 Secure the air box lid to the air box. Slide the lid over the tabs in the air box and press to the lid down onto the air box. Make sure both clasps on the air box (facing the passenger compartment) are fully engaged.
- 30 Re-connect the MAF pigtail to the sensor. Press the MAF connector onto the sensor. Slide the red locking tab on the connector towards the sensor to lock the connector in place.
- 40 Press the end of the passenger side vent tube onto the intake snorkel fitting until it "clicks" into place.

[illegible]

NOTES:

TORQUE



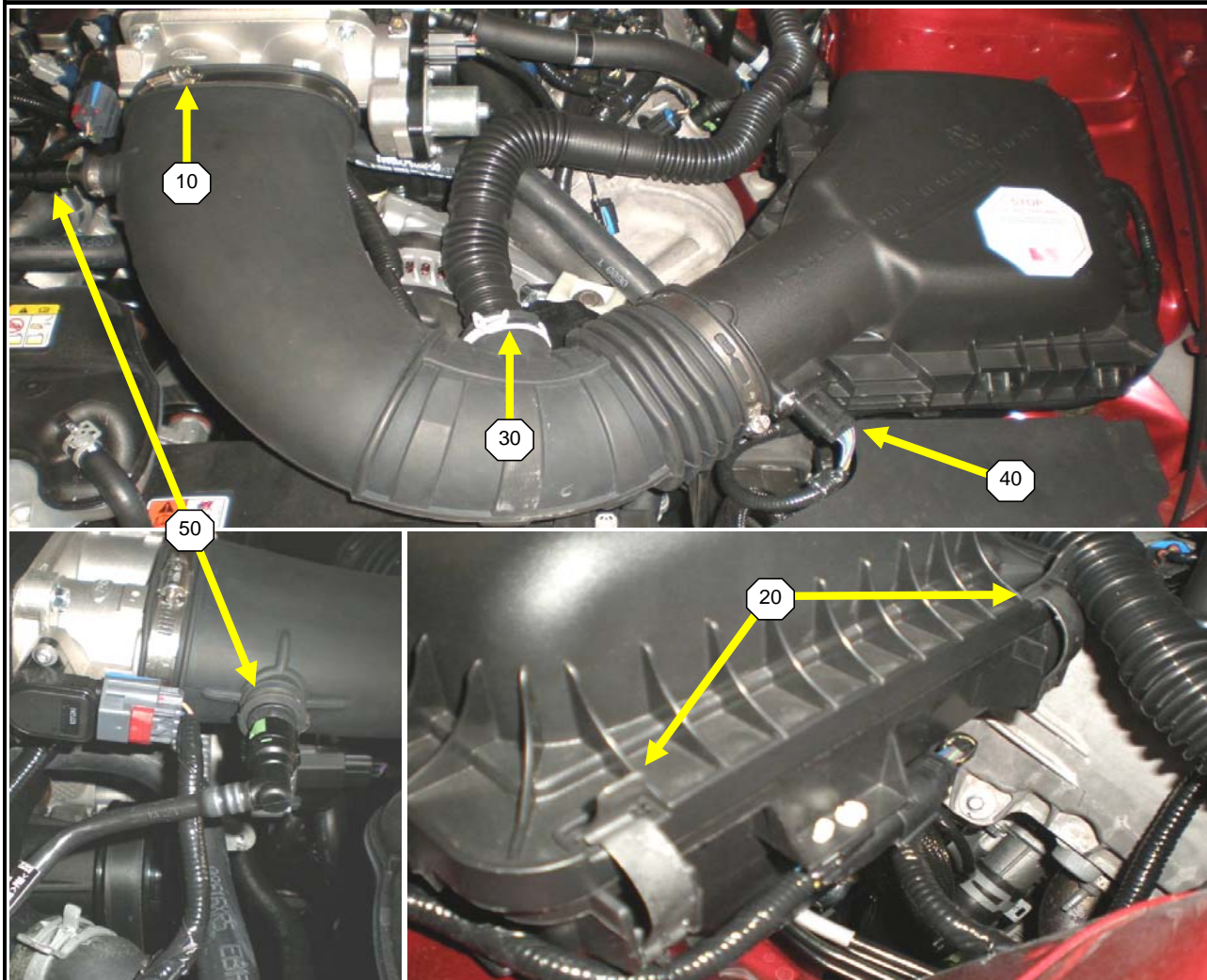
PROCESS

PAGE

INSTALL AIR INTAKE SNORKEL

B

21



- 10 Retrieve the air intake snorkel (with attached lid) and slide the throttle body portion onto the throttle body. Use a flat blade screwdriver to tighten the clamp.
- 20 Secure the air box lid to the air box. Slide the lid over the tabs in the air box and press to the lid down onto the air box. Make sure both clasps on the air box (facing the driver side fender) are fully engaged.
- 30 Use a tension clamp tool to open up the clamp securing the breather tube to the intake snorkel. Slide the tube back into the intake snorkel and re-secure the clamp.
- 40 Re-connect the MAF pigtail to the sensor. Press the MAF connector onto the sensor. Slide the red locking tab on the connector towards the sensor to lock the connector in place.
- 50 Press the end of the passenger side vent tube onto the intake snorkel fitting until it "clicks" into place.

[illegible]

NOTES:

TORQUE



	PROCESS
--	---------

PAGE

INSTALL AIR INTAKE SNORKEL

2010 MODELS

C



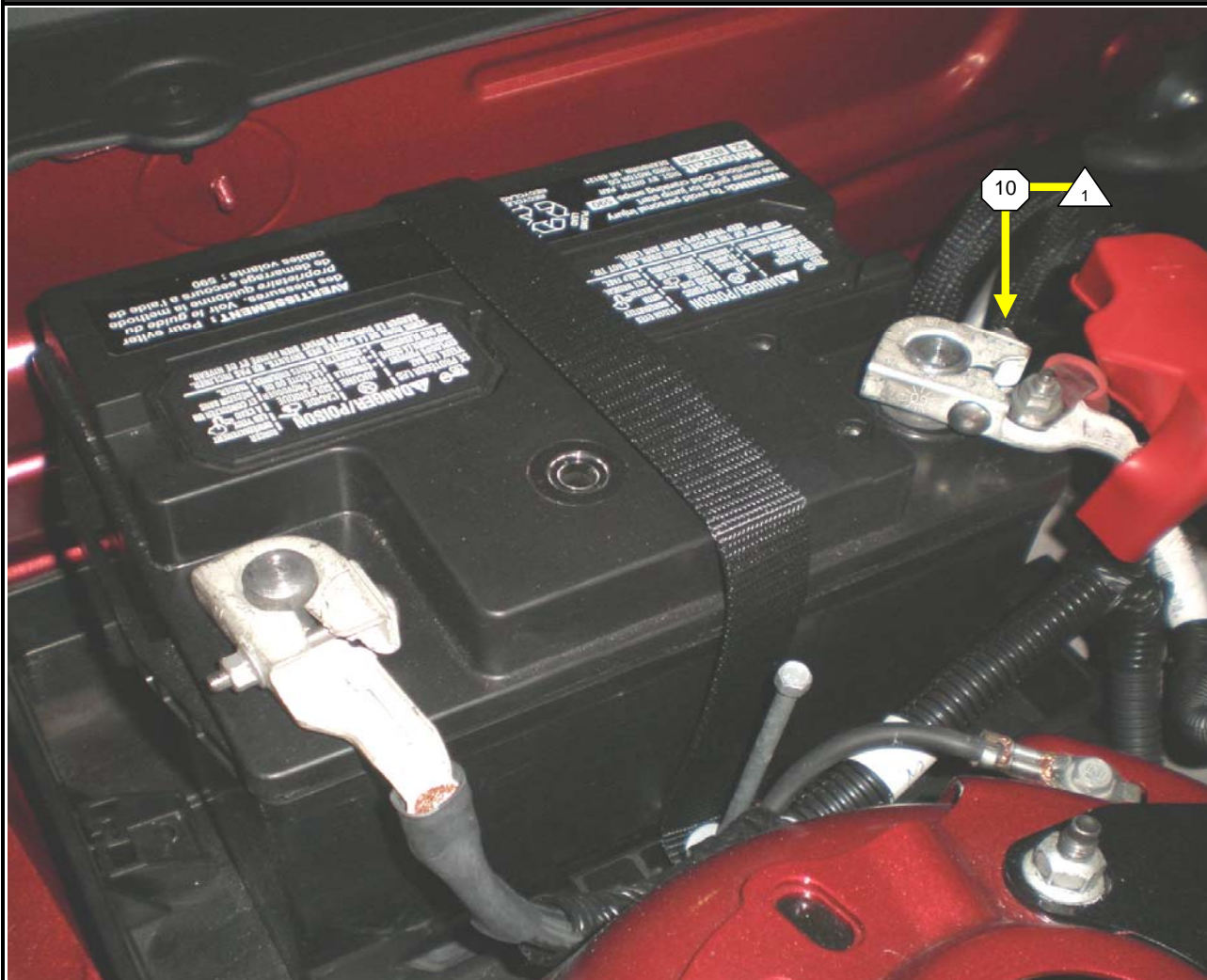
TORQUE



ITEM



OPERATION



NOTICE: No smoking, flames, or sparks around the battery. Batteries can give off fumes that are flammable and may ignite if there is any form of spark or open flame near it.



Connect the positive battery cable to the positive battery post (The post nearest the passenger (RH) fender). Using an 8mm socket, tighten the clamp to **71 Lb-in +/- 10.6 Lb-in** with a torque wrench. Re-cover the clamp with the red boot.

ITEM	PART NUMBER	QTY.	DESCRIPTION

NOTES:

TORQUE



71 +/- 10.6 Lb-in



PROCESS

CONNECT BATTERY

PAGE

23



Post-Installation Review

Please take the time to read the information provided. If you are installing this kit, and not the vehicle owner, please keep this page with the vehicle for the vehicle owner to review.

Post-Installation Review:

- Make sure that all electrical connections have been made
- Check the vehicle for any coolant or fuel leaks
- Verify that the intercooler water pump is running when the engine is running.
- Verify that all hazard lights (turn signals, parking lights, fog lights, etc...) are working properly.

Contact Information:

If you have any additional questions or concerns about your new Saleen supercharger lid, please feel free to contact us.

- **Tech Support:** 1-800-888-8945

Again, Saleen would like to thank you for buying a Saleen High-Flow Supercharger lid for your Series VI & VI.5 Supercharger Kit. We hope you enjoy your new product, and will consider us for all your future aftermarket needs.